

APPENDIX B: AMINO ACID SEQUENCES

> RXA00315 (1-1086, translated) 362 residues
 YDFGGPVGGL LFGLVYSPIV ITGLHQSFPF IELELFNQGG SFIFATASMA NIAQGAACLA
 VFFLAKSEKL KGLAGASGVS AVLGITEPAI FGVNLRRLWP FFIGIGTAAI GGALIALFNI
 KAVALGAAGF LGVVSIDAPD MVMFLVCAVV TFFIAFGAAI AYGLYLVRN GSIDPDATAA
 PVPAGTTKAE AEAPAEFSND STIIQAPLTG EAIALSSVSD AMFASGKLGS GVAIVPTKGQ
 LVSPVSGKIV VAFPSGHAF VRTKAEDGSN VDILMHIGFD TVNLNGTHFN PLKKQGDVEK
 AGELLCEFDI DAIKAAGYEV TPIVVSNYK KTGPVNTYGL GEIEAGANLL NVAKKEAVPA
 TP

> RXA00951 (1-393, translated) 131 residues
 IQAILEKAAA PAKQKAPAVA PAVTPTDAPA ASVQSKTHDK ILTVCGNGLG TSLFLKNTLE
 QVFDTWGWP YMTVEATDTI SAKGKAKEAD LIMTSGEIAR TLGDVGIPVH VINDFTSTDE
 IDAALRERYD I

> RXA01244 (1-1509, translated) 503 residues
 LLERSEAAEG PAEEVLKATA GMVNDRGWRK AVIKGVKGGH PAEYAVVAAT TKFISMFEAA
 GGLIAERTTD LRDIRDRVIA ELRGDEEPGL PAVSGQVILF ADDLSPADTA ALDIDLTVGL
 VTELGGPTSH TAIARQLNV PCIVASGAGI KDIKSGEKVL IDGSLGTIDR NADEAEATKL
 VSESLERAAR IAEWKGAQT KDGVRVQLLA NVQDGNASQQ AAQTEAEGIG LFRTELCFLS
 ATEEPSVDEQ AAVYSKVLEA FPESKVVVRS LDAGSDKPVP FASMADEMNP ALGVRGLRIA
 RGQVDLLTRQ LDAIAKASEE LGRGDDAPTW VMAPMVATAY EAKWFADMCR ERGLIAGAMI
 EVPAASLMAD KIMPHLDFVS IGTNDLTQYT MAADRMSPEL AYLTDPWQPA VLRLIKHTCD
 EGARENTPVG VCGEAAADPL LATVLTGLGV NSLSAASTAL AAVGAKLSEV TLETCKKAAE
 AALDAEGATE ARDAVRAVID AAV

> RXA01299 (1-441, translated) 147 residues
 MEIMAAIMAA GMVPPIALSI ATLLRKKLFT PAEQENGKSS WLLGLAFVSE GAIPFAAADP
 FRVIPAMMAG GATTGAISMA LGVGSRAHPG GIFVVWAIEP WGWLIALAA GTIVSTIVVI
 ALKQFWPNKA VAAEVAKQEA QQAAVNA

> RXA01300 (1-267, translated) 89 residues
 MASKTVTVGS SVGLHARPAS IIAEAAAEDY DEILLTLVGS DDDEETDASS SLMIMALGAE
 HGNEVTVTSD NAEAVEKIAA LIAQDLDAE

> RXA01503 (1-249, translated) 83 residues
 MFLAVILAIT AARKFGANVF TSVALAGALL HTQLQAVTVL VDGELOQSMTL VAFQKAGNDV
 TFLGIPVVLQ LALHVASLMK LSR

> RXA01883 (1-480, translated) 160 residues
 MNSVNNSSLV RLDVDFGDST TDVINNLATV IFDAGRASSA DALAKDALDR EAKSGTGVP
 QVAIPHCRSE AVSVPTLGFA RLSKGVDFSG PDGDANLVFL IAAPAGGGKE HLLKLSKLAR
 SLVKKDFIKA LQEATTEQEI VDVVDAVLNP APKNHRASCS

> RXA01889 (1-555, translated) 185 residues
 VAITACPTGI AHTYMAADSL TQNAEGRDDV ELVVETQGS AVTPVDPKII EAADAVIFAT
 DVGKDRERF AGKPVIESGV KRAINEPAKM IDEAIAASKN PNARKVSGSG VAASAETTGE
 KLGWGKRIQQ AVMTGVSYMV PFVAAGGLLL ALGFAFGGYD MANGWQAIAT QFSLTNLPGN
 TVDVD

> RXA01943 (1-405, translated) 135 residues
 PDPIFAAGKL GPGIAIQPTG NTVVAPADAT VILVQKSGHA VALRLDSGVE ILVHVGLDTV
 QLGGEFTVH VERRQVKGAG DPLITFDADF IRSKDLPLIT PVVVSNAAKF GEIEGIPADQ
 ANSSTTVIKV NGKNE

> RXA02191 (1-1239, translated) 413 residues
 MASKLTTTSQ HILENLGGPD NITSMTHCAT RLRQVQKQDS IVDQQEIDSD PSVLGVVPQG
 STGMQVVMGG SVANYQEIL KLDGMKHFAD GEATESSSKK EYGGVRGKYS WIDYAFEFLLS
 DTFRPILWAL LGASLIITLL VLADTFGLQD FRAPMDEQPD TYVFLHSMWR SVFYFLPIMV
 GATAARKLGA NEWIGAAIPA ALLTPEFLAL GSAGDTVTVF GLPMVLNDYS QGVFPPLIAA

IGLYWVEKGL KKIIEAVQM VFVPFFSLLI MIPATAFLLG PFGIGVGNGI SNLLEAINNF
SPFILSIVIP LLYPFLVPLG LHWPLNAIMI QNINTLGYDF IQGPMGAWN ACFLVLTGVF
LLSIKERNKA MRQVSLGGML AGLLGGISEP SLYGVLLRFK KTYFRLLPGC LA

>RXN01244 TRANSLATE of: rxn01244.seq check: 8583 from: 1 to: 1704
VATVADVNDQTVLKGTVGGVRYASAVWITPRPELPQAGEVVAEENREAEQERFDAAAA
TVSSRLLESEAAEGPAAEVLKATAGMVNDRGWRKAVIKGVKGGHPAEYAVVAATTKFIS
MFEAAGGLIAERTTDLRDIRDVIAELRGDEEPLPAVSGQVILFADDLSPADTAALDTD
LFVGLVTELGGPTSHTAIARQLNVPCIVASGAGIKDIKSGEKVLIDGSLGTIDRNDADA
EATKLVSESLERAARIAEWKGAQTKDGYRVQLLANVQDGNASQAQAQTEAEGIGLFRTE
LCFLSATEEPSVDEQAAYVSKVLEAFPEKVVVRSLDAGSDKPVPFASMADEMNPALGVR
GLRIARGQVDLLTRQLDAIAKASEELGRGDDAPTWMAPMVATAYEAKWFADMCRRGLI
AGAMIEVPAASLMADKIMPHLDFVSIQNTDLTQYTMADRMSPELAYLTPWQPAVLRRI
KHTCDEGARFNTPVGVCGEAAADPLLATVLTGLGVNSLSAASTALAAVGAKESEVLTETC
KKAEEAALDAEGATEARDAVRAVIDAAV

>RXN01299 TRANSLATE of: rxn01299.seq check: 4359 from: 1 to: 2064
MNSVNNSSLVRLDVFDDSTTDVINNLATVIFDAGRASSADALAKDALDREKSGTGVP
QVAIPHCRSEAVSVPTLGFARLSKGVDFSGPDGDANLVFLIAAPAGGGKEHLKILSKLAR
SLVKKDFIKALQEATTEQEIVDVVDAVLNPAKKTTEPAAAPAAAABAESGAASTSVTRIV
AITACPTGIAHTYMAADSLTQNAEGRDDVELVETQGSASVTPVDPKIIAADAVIDFATD
VGVKDRERFAGKPVIESGVKRAINEPAKMIIDEAIAASKNPNARKVSGSGVAASAETTGEK
LGWKGRIQQAVMTGVSVMVFFVAAGGLLLALGFAGGYDMANGWQAIATQFSLTNLPNT
VDVDGVAMTFERSGFLLYFGAVLFATGQAAMGFIVAALSGYTAYALAGRPGIAPGFVGG
ISVTIGAGFIGGLVTGILAGLIALWIGSWKVPVQSLMPVVIIPLLTSVVVGLVMYLL
GRPLASIMTGLQDWLSSMSGSSAILLGIILGLMMCFDLGGPVNKAAYLFGTAGLSTGDA
SMEIMAAIMAAAGMVPPIALSIAITLLRKKLFTPAEQENGKSSWLLGLAFVSEGAIPFAAD
PFRVIPAMMAGGATTGAISMAVGSRAPHGGIFVVAIEPWWGWLIALAAGTIVSTIV
IALKQFWPNKAVAAEVAKEAQQAANA

>RXN01943 TRANSLATE of: rxn01943.seq check: 1650 from: 1 to: 2049
MASKLTTTSQHILENLGGPDNITSMTHCATRLRFQVKDQSIQDQEIQSDPSVLGVVPQ
STGMQVVMGGSVANYQEIILKLDGMKHFADGEATESSSKKEYGGVRGKYSWIDYAFEF
DTRFPIWLWLGASLIITLLVLADTFGLQDFRAPMDEQPDYVFLHSMWRSVFYFLPIMV
GATAARKLGANEWIGAAIPAAALLTPEFLALGSAGDTVTVFGLPMVLNDYSGQVFPPLIA
IGLYWVEKGLKKIIEAVQMVFVPFFSLLIMIPATAFLLGPFPGIGVGNGISNLLEAINNF
SPFILSIVIPLLYPFLVPLGLHWPNAIMIQNINTLGYDFIQGPMGAWNACFLVLTGVF
LLSIKERNKAMRQVSLGGMLAGLLGGISEPSLYGVLLRFKKTFRLLPGCLAGGIVMGIF
DIKAYAFVFTSLTIPAMPDPLGYTIGIAVAFFVSMFLVLALDYRSNEERDEARAKVAAD
KQAEEDLKAEANATPAAPVAAAGAGAGAGAGAAAGAATAVAAPKLAAGEVVDIVSPLEG
KAIPLEVPDPIFAAGKLGPGLIAIQPTGNTVVPADATVILVQKSGHAVALRLDSGVEIL
VHVGLDVTQLGGEGFTVHVERRQOVKAGDPLITFDADFIRSKDLPLITPVVVSNAKFE
IEGIPADQANSSTTVIKVNGKNE

>RXN03002 TRANSLATE of: rxn03002.seq check: 5800 from: 1 to: 408
MFVLKDLLKAERIELDRTVTDWREGIRAAGVLEKTNSIDSAYTDAMIASVEEKGPYIVV
APGFATAHARPSRAVRETAMSWRLASPVSGHKNLPLNLIVALAAKDATAHTQAMAAL
AKALGKYRKDLDEAQS

>RXS00315 TRANSLATE of: RXS00315.seq check: 1474 from: 1 to: 1404
MAMVFPVSLVNGYDVAATMAAGEMPMSLFLGDVAQAGYQGTVPVVLVSWILATIEKFLHKRLKGTADF
LITPVLTLTLTGFLTFIAIGPAMRWGDVLAHGLQGLYDFGGPVGGLLFGLVYSPIVITGLHQSFPPIE
LELFNQGSFIFATASMANIAQGAACLAFFLAKSEKLGKLAGASGVSALVGITEPAIFGVNLRRLRWP
FIGIGTAAIGGALIALFNKAVALGAAGFLGVVSDAPDMVMFLVCAVVTFFIAFGAAIAYGLYLVRN
GSIDPDATAAPVPAGTTKAEAEAPAEFSNDSTIIQAPLTGEAIALSSVSDAMFASGKLGSGVAIVPTKG
QLVSPVSGKIVVAFPSGHAFVVRTKAEDGSNDILMHIGFDTVNLNGTHFNPLKKQGEVKGAGELLCEF
DIDAIKAAGYEVTTPIVVSNYKKTGPVNTYGLGEIEAGANLLNVAKKEAVPATP

>RXC00953 TRANSLATE of: RXC00953.seq check: 8687 from: 1 to: 753

MAPPTVGNYIMQSFTQGLQFGVAVAVILFGVRTILGELVPAFQGIAAKVVPGAIPALDAPIVFPYAQNA
VLIGFLSSSFVGGVLGLTVLASWLNPAFGVALILPGLVPHFFTGGAAGVYGNATGGRRGAVFGAFANGLL
ITFLPAFLLGLVGSFGSENTTFGDADFGWFGIVVGSAAKVEGAGGLILLIIAAVLLGGAMVFQKRNVN
GHWDPAPNRERVEKAEADATPTAGARTYPKIAPPAGAPTPPARS

>RXC03001 TRANSLATE of: RXC03001 .seq check: 9853 from: 1 to: 453
MDWLTIPFLVNEILAVPAFLIGIITAVGLGAMGRSVGQVIGGAIKATLGFLLAGATLVTASLEPLG
AMIMGATGMRGVVPTNEAIAQAEYGAQVAVLMLGFAISLVLARFTNLRYVLLNGHHVLLMCTMLT
MVLATGRVDAWIF

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